

**Public justification (visible to the public if the article is accepted and published):**

Dear Authors,

The abstract is currently too long. Please rewrite it following

[https://www.atmospheric-chemistry-and-physics.net/policies/guidelines\\_for\\_authors.html](https://www.atmospheric-chemistry-and-physics.net/policies/guidelines_for_authors.html)

Xiaohong Liu

Dear Editor,

Thank you very much, we have rewritten the abstract to make it meet the requirements.

Jianqi Zhao and co-authors